

The Director's Proton Team

Meeting on Thursday, February 20, 2003 at noon in One East.

Minutes.

A. Present:

Chuck Ankenbrandt, Janet Conrad, Dave Finley (chair), Peter Kasper, Alberto Marchionni, Doug Michael, Shekhar Mishra, Eric Prebys, Ray Stefanski (scribe)

B. Agenda:

Dave presented a set of transparencies dealing with the charge and how he hopes to execute it. They can be seen at <http://www-bd.fnal.gov/proton/>

C. Main Points of Dave's Talk:

The work of the Team is given in the charge:

1. Identify users of protons over the period 2003-2010 and the **demands** represented by each.
2. Establish technical **goals** for delivery of protons, both from the Booster and Main Injector, over the period.
3. Identify major **modifications** to the Proton Source and Main Injector that will be required to meet these goals assuming availability of Fermilab resources at the funds at the **few x \$10M** level over the period.
4. Identify possible resources and opportunities for **collaboration** by institutions outside Fermilab.
5. Suggest an **organization** for implementing a program of modifications, including opportunities for integration of collaborators outside Fermilab.

Dave's timetable includes the following dates:

1. Dave will present a status report to the PAC on March 28 or 29. The Team will brief MW before Dave reports to PAC.
2. A draft of the final report will be prepared by May 1.
3. The final report will be done by June 1.
4. If necessary, Dave will brief the Aspen PAC in early to mid-June.

The Team's homework is to become familiar with the documents contained on the Team's web site.

The following assignments were made:

1. Dave Finley will do the Linac. Chuck will help to establish the experimental demands on the beam, and Dave will establish a set of realistic delivery goals. Linac users include Booster, NTF, MUCOOL, and Studies.

2. Eric and Janet will do the Booster. Peter will help establish the experimental beam demands, and Chuck will help establish a set of realistic delivery goals. Booster users include MiniBooNE, Main Injector, Radiation Facility, and Studies.
3. Shekhar, Doug and Alberto will do the Main Injector. They will define the experimental demands for the beam, and a realistic set of delivery goals. Main Injector users include Run II, NuMI, Switchyard Fixed Target (SY120), and Studies.

Each of the three groups will then address the issues and evaluate needed changes to operations, the potential use of collaborations, and identify projects (substantial tasks that involve time people and money). Each group will advise on a set of priorities. They will begin by throwing in everything including the kitchen sink, then evaluate the resulting list and keep what is most useful and realistic.

In suggesting collaborations, Janet and Eric will do the Booster, with help from Doug. Doug and Shekhar will do the Main Injector, with help from Greg Bock.

D Action Items:

Dave identified three action items as a result of this meeting. These are reports to be given at the next meeting on February 27 at noon in One East:

1. Shekhar will present what needs to be done in the MI to deliver the beam intensities required for MINOS and the other Main Injector beam users.
2. Eric will present what needs to be done to the Booster to deliver the beam intensities required by MiniBooNE and the Main Injector.
3. Peter will present his spreadsheet dealing with proton economics.